

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1-2. (Canceled)

3. (Currently Amended) A wireless positioning method ~~according to claim 2,~~
for estimating a position of a terminal by using reception timings of signals
transmitted from at least first and second base stations in a cellular communication
system, comprising:

_____ a first step of storing received signals from a plurality of base stations in
a storing circuit;

_____ a second step of reading out received signals stored in the storing
circuit and measuring a reception timing of a received signal from the first base
station having a power higher than that of a received signal from a second base
station;

_____ a third step of canceling the received signal from the first base station
from stored received signals;

_____ a fourth step of reading out received signals stored in the storing circuit
and measuring a reception timing of the received signal from the second base station
after the second step, wherein the third step comprises:

a fifth step of forming a replica of the received signal of the first base station from the stored signals;

a sixth step of subtracting the replica from the stored signals and overwriting the signals stored in the storing circuit with a result of the subtraction
step further comprising: and

a seventh step of forming the replica by processing a component of the received signal from the first base station in a procedure of despreading, demodulation and resreading by using the code division multiple access (CDMA) system.

4. (Previously Amended) A wireless positioning method according to claim 3, wherein the seventh step includes an eighth step of amplifying a received signal after the despreading, demodulation and resreading.

5. (Previously Amended) A wireless positioning method according to claim 4, wherein the eighth step includes a ninth step of correcting at least one of amplitude fluctuation and phase rotation by a signal propagation path from the first base station.

6. - 9. (Canceled)

10. (Currently Amended) A wireless positioning apparatus ~~according to claim~~
~~9, comprising:~~

_____ a signal processor for canceling a received signal from a first base
station whose reception power is higher than that of a received signal from a second
base station in a cellular communication system;

_____ a CPU for processing an output signal of the signal processor;

_____ a storing circuit for storing the received signals from the first and
second base stations, and

_____ a timing measurement circuit for measuring reception timings of the
signals received from the first and second base stations based on signals stored in
the storing circuit,

_____ wherein the signal processor has:

_____ a replica signal generating circuit for generating a replica of the
received signal of the first base station from the signals stored in the storing circuit;
and

_____ a subtraction circuit for subtracting the replica from the stored signals,

_____ wherein the stored signals are overwritten with a result of the
subtraction and the timing measurement circuit measures the reception timing of the
signal received from the second base station based on the overwritten signals in the
storing circuit, and

wherein the replica signal generating circuit has:

a despreading circuit for despreading a component of a received signal from the first base station by using a code division multiple access system (CDMA);

a demodulating circuit for demodulating an output signal of the despreading circuit; and

a resreading circuit for resreading an output signal of the demodulating circuit.

11. (Original) A wireless positioning apparatus according to claim 10, further comprising an amplifying circuit for amplifying an output signal of the resreading circuit.

12. (Original) A wireless positioning apparatus according to claim 11, further comprising a correcting circuit for correcting at least one of amplitude fluctuation and phase rotation by a signal propagation path from the first base station.

13. - 17. (Canceled)